

## ABSTRACT

5 A biaxially oriented polyester film for magnetic  
recording media, which has (1) a dimensional change between  
before treated and after treated in a width direction of 0.40 %  
or less when the film is treated at 49°C and 90 %RH under  
a load of 170 (g/12.65 mm) in a longitudinal direction for  
72 hours, (2) a crystallinity of 27 to 45 %, (3) a temperature  
expansion coefficient  $\alpha_t$  ( $\times 10^{-6}/^{\circ}\text{C}$ ) and a humidity expansion  
10 coefficient  $\alpha_h$  ( $\times 10^{-6}/\%RH$ ) in a width direction of the film  
which satisfy the relationship  $(\alpha_t + 2\alpha_h) \leq 45$ , (4) a heat  
shrinkage factor in a width direction of the film of 0 to  
0.7 %, and (5) a thickness of 3 to 7  $\mu\text{m}$ .

15 This film is useful particularly for digital data  
storage of a linear track system, is almost free from an error  
caused by track dislocation due to a dimensional change in  
the width of a tape and improves output characteristics.

09762920-021401